

Application No.: 10/779,519  
Amdt. Dated: May 31, 2007  
Reply to Office Action Dated: March 9, 2007

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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently amended): A process for the production of a 2-oxa-3-one androstane derivative, the process comprising reacting a 3-one androstane derivative with ozone to form a 2-oxa-3-one androstane derivative, wherein the reaction is conducted in the presence of an organic or inorganic peroxide.

Claim 2 (Cancelled)

Claim 3 (Currently amended): The process of claim [[2]] 1, wherein the peroxide is hydrogen peroxide.

Claim 4 (Original): The process of claim 1, wherein the reaction is carried out in a temperature range from about 1°C to about 50°C.

Claim 5 (Original): The process of claim 1, wherein the 3-one androstane derivative is reacted with ozone for about 3 hours to about 5 hours.

Claim 6 (Original): The process of claim 1, wherein the ozone that is reacted with the 3-one androstane derivative is present as a mixture of oxygen and ozone.

Claim 7 (Original): A process for the production of oxandrolone, the process comprising reacting mestanolone with ozone to form oxandrolone.

Claim 8 (Original): The process of claim 7, wherein the reaction is conducted in the presence of an organic or inorganic peroxide.

Claim 9 (Original): The process of claim 8, wherein the peroxide is hydrogen peroxide.

Claim 10 (Original): The process of claim 7, wherein the reaction is carried out in a

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temperature range from about 1°C to about 50°C.

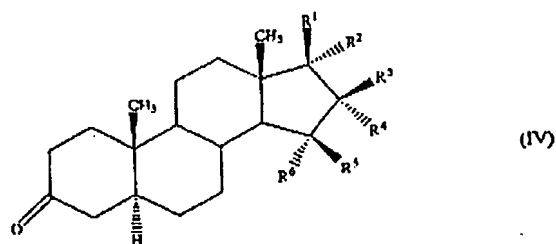
Claim 11 (Original): The process of claim 7, wherein the mestanolone is reacted with ozone for about 3 hours to about 5 hours.

Claim 12 (Original): The process of claim 7, wherein the ozone that is reacted with the mestanolone is present as a mixture of oxygen and ozone.

Claim 13 (Original): A process for the production of oxandrolone, the process comprising reacting mestanolone with ozone in the presence of hydrogen peroxide in a temperature range from about 1°C to about 50°C. for about 3 hours to about 5 hours, the ozone being present in a mixture of oxygen and ozone.

Claim 14 (Original): The process of claim 13, wherein the mestanolone is present in an aqueous solution.

Claim 15 (Original): A process for the production of a 2-oxa-3-one androstane derivative, the process comprising reacting a 3-one androstane derivative of formula (IV)



wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ ,  $R^5$ , and  $R^6$  are independently selected from the following group: hydrogen,  $C_{1-10}$  alkyl,  $C_{1-10}$  ketone, phosphate,  $C_{1-10}$  alkyl carboxylate, amino, hydroxy, thiol,  $C_{1-10}$  thioalkyl,  $C_{1-10}$  alkoxy, substituted  $C_{1-10}$  alkyl, and halogen; with ozone to form a 2-oxa-3-one androstane derivative of formula (V)

